

AMENDMENTS TO THE CLAIMS

Claim 1 (currently amended)

An ink-jet recording sheet comprising:

a non-water-absorptive support; and

an ink absorbing layer thereon, the ink absorbing layer including

a first porous layer at the outermost position of the ink-jet recording sheet,

including water-insoluble organic particles having ~~an average~~ a mean primary particle diameter of ~~0.001 to 2~~ not more than 0.1 μm , the first porous layer having a thickness not more than 20% of the thickness of the ink absorbing layer, and

a second porous layer positioned between the support and the first porous layer, the second porous layer including inorganic particles having an average particle diameter of 0.02 to 0.1 μm

wherein the ink-jet recording sheet satisfies the following Formula (1), when an aqueous solution, which comprises a water-soluble alcohol-type organic solvent having an SP value in a range of from 18.414 to 30.69 (Mpa)^{1/2} and a boiling point of not less than 120°C in an amount of from 10 to 40% by weight, is provided to the surface of the ink-jet recording sheet in an amount of 20 ml/m²,

Formula (1)

$$V_c/V_d \leq 0.4$$

wherein VC represents a water transition amount of a first area of the ink-jet recording sheet, where the aqueous solution is provided, during a contact time of 0.8 seconds when the first area is subjected to Bristow's Measurement, and Vd represents a water transition amount of a second area of the ink-jet recording sheet, where the aqueous solution is not provided, during a contact time of 0.8 seconds when the second area is subjected to Bristow's Measurement.

Claim 2 (original)

The ink-jet recording sheet of claim 1, wherein the ink-jet recording sheet further satisfies the following Formula (2),

Formula (2)
$$V_{60}/V_d \geq 0.7$$

Vd represents a water transition amount of the ink-jet recording sheet during a contact time of 0.8 seconds when the ink-jet recording sheet is subjected to Bristow's Measurement after being stored at 60°C and 20 RH for 24 hours.

Claim 3 (previously presented)

The ink-jet recording sheet of claim 1, wherein the water-insoluble organic particles, are capable of being dissolved in or swelled by a water-soluble alcohol-type organic solvent having an SP value in a range of from 18.414 to 30.69 (Mpa)^{1/2} and a

boiling point of 120°C or more, the second porous layer further includes a hydrophilic binder.

Claim 4 (cancelled)

Claim 5 (cancelled)

Claim 6 (original)

The ink-jet recording sheet of claim 1, wherein the water-soluble alcohol-type organic solvent is diethylene glycol monobutyl ether.

Claim 7 (previously presented)

The ink-jet recording sheet of claim 6, wherein the water-insoluble organic particles are capable of being dissolved in or swelled by the diethylene glycol monobutyl ether, and the water-insoluble organic particles have a mean primary diameter of not more than 0.1 μm .

Claims 8 to 13 (cancelled)

Claims 14 to 19 (cancelled)

Claim 20 (previously presented)

The ink-jet recording sheet of claim 1, wherein the second porous layer has a thickness not less than 80% of the thickness of the ink absorbing layer.

Claim 21 (previously presented)

The ink-jet recording sheet of claim 1, wherein the second porous layer further includes a binder.